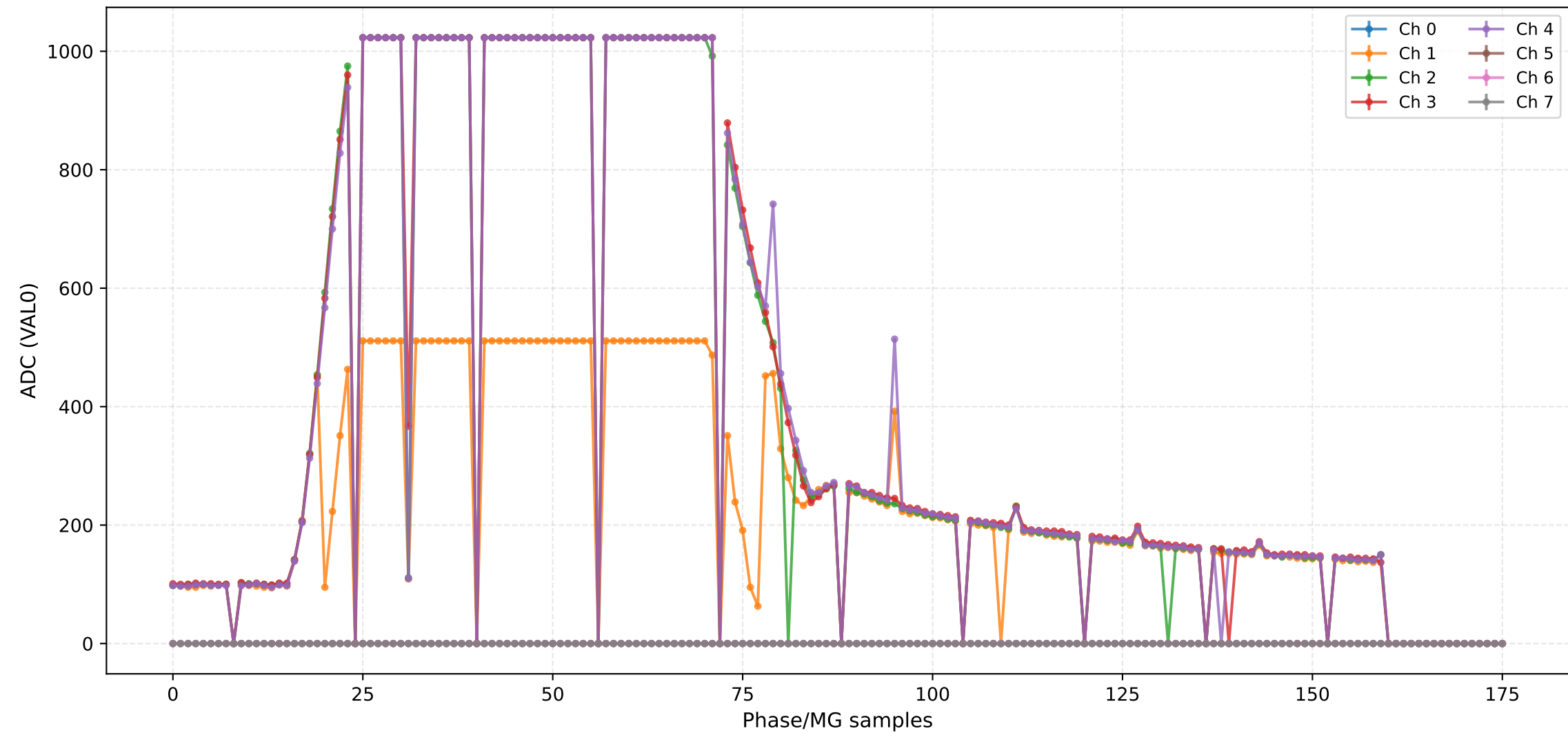


## ADC (VAL0) - Channels 0 to 7



### ADC (VAL0) - Channels 8 to 15



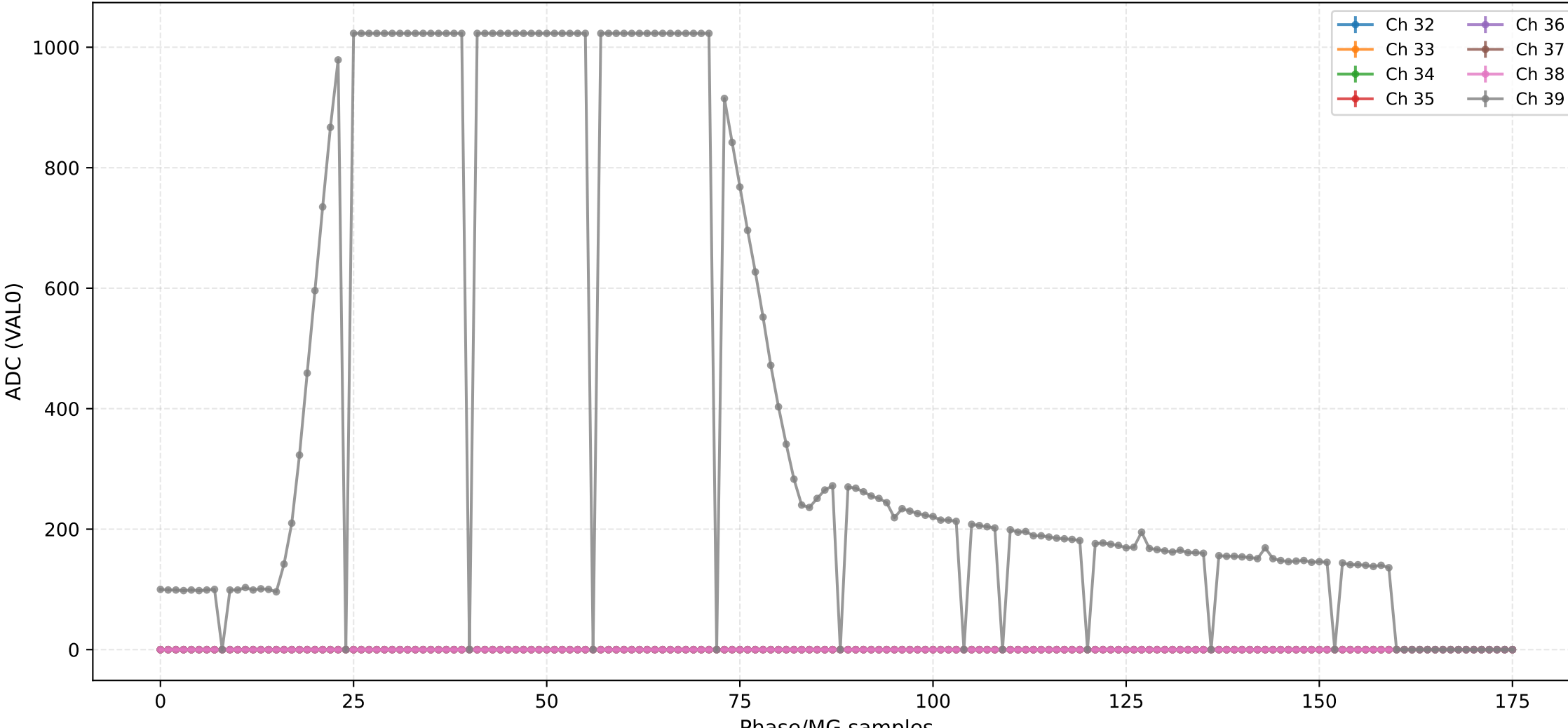
## ADC (VAL0) - Channels 16 to 23



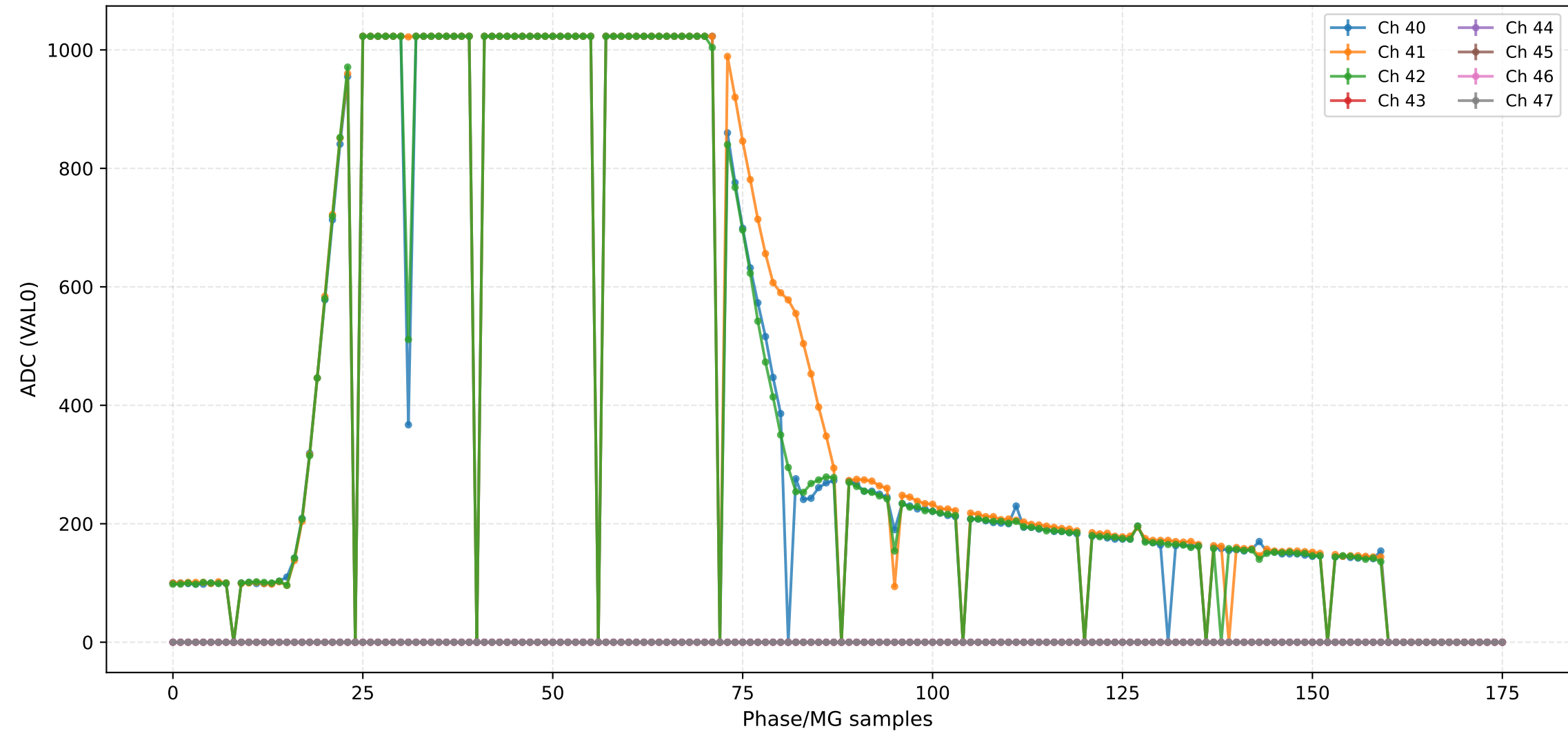
### ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



## ADC (VAL0) - Channels 48 to 55



## ADC (VAL0) - Channels 56 to 63

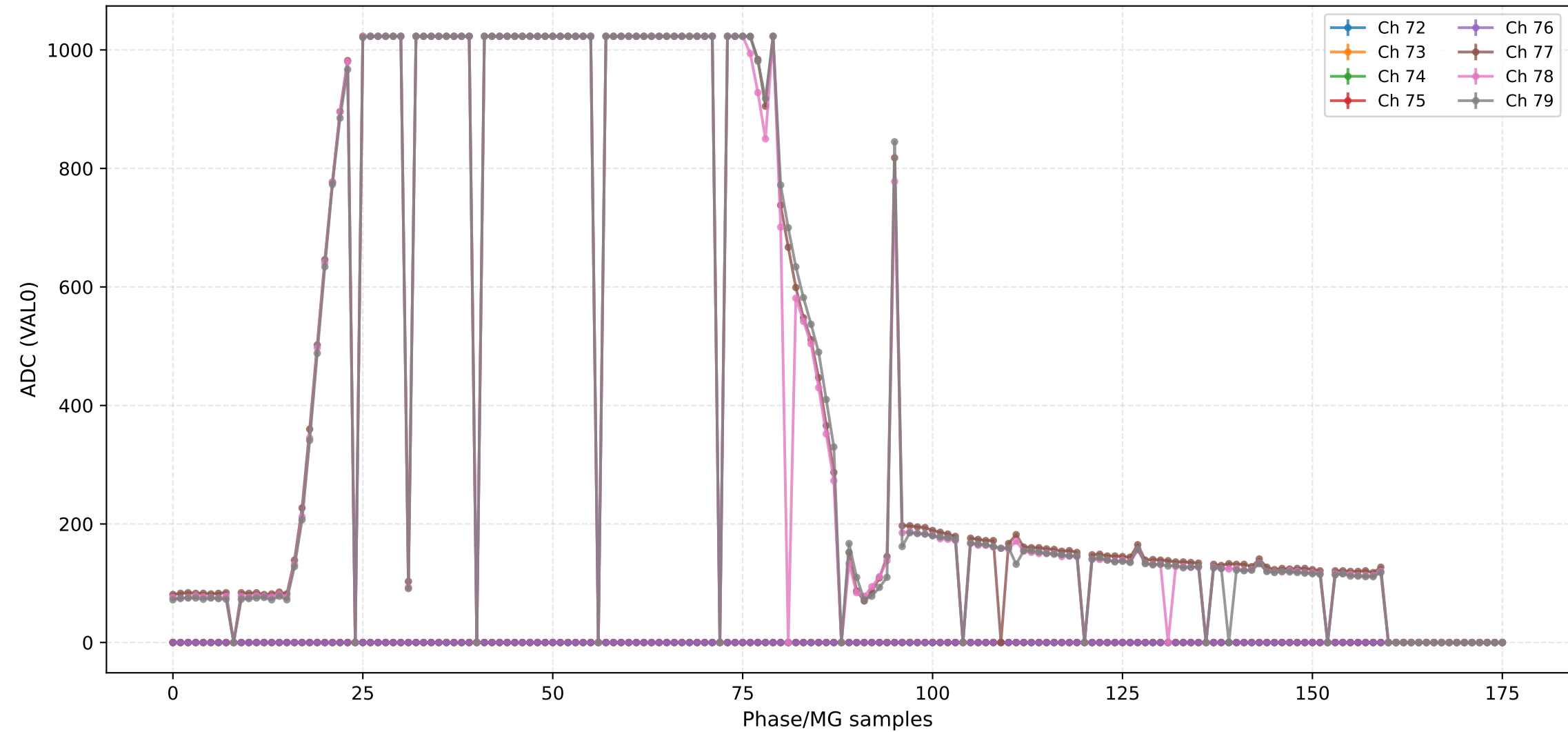




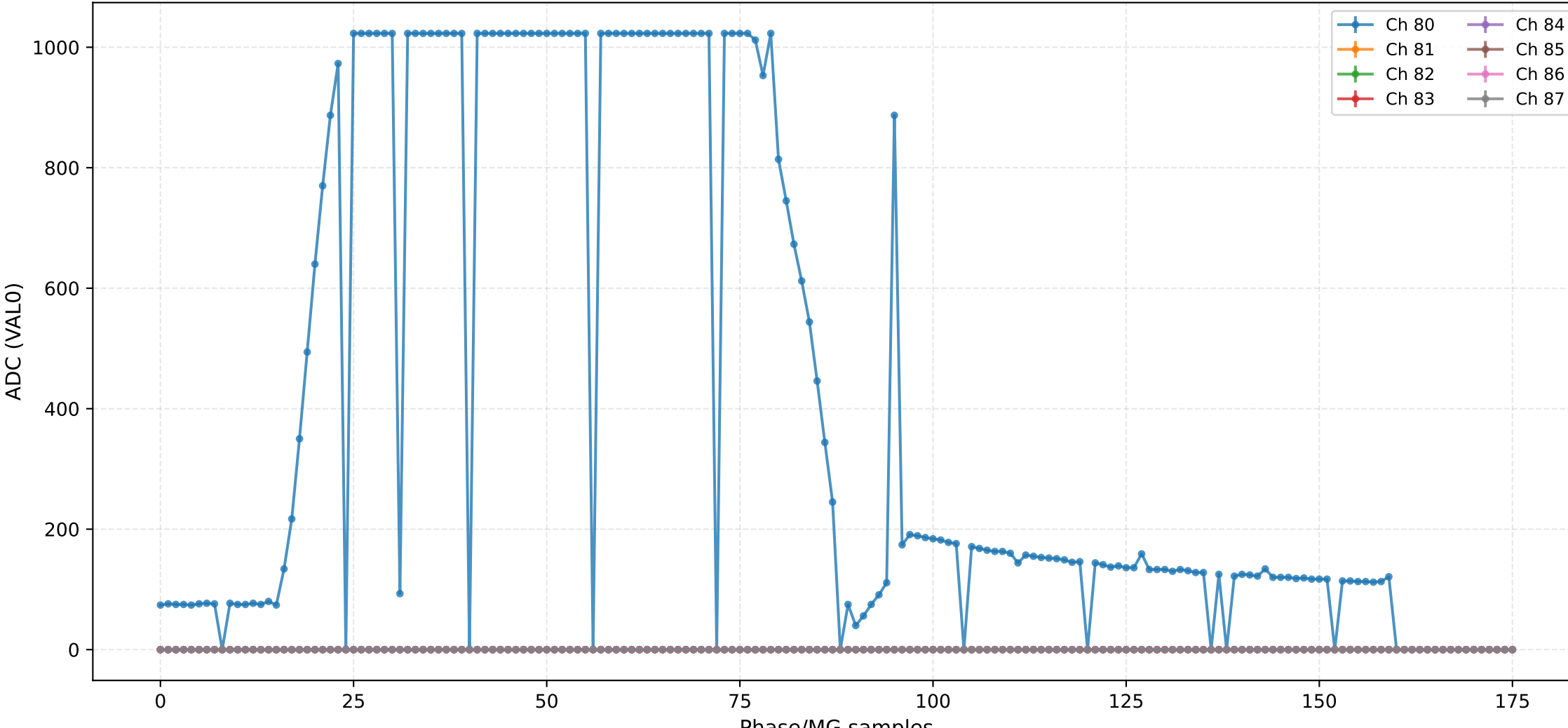
### ADC (VAL0) - Channels 64 to 71



ADC (VAL0) - Channels 72 to 79



## ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



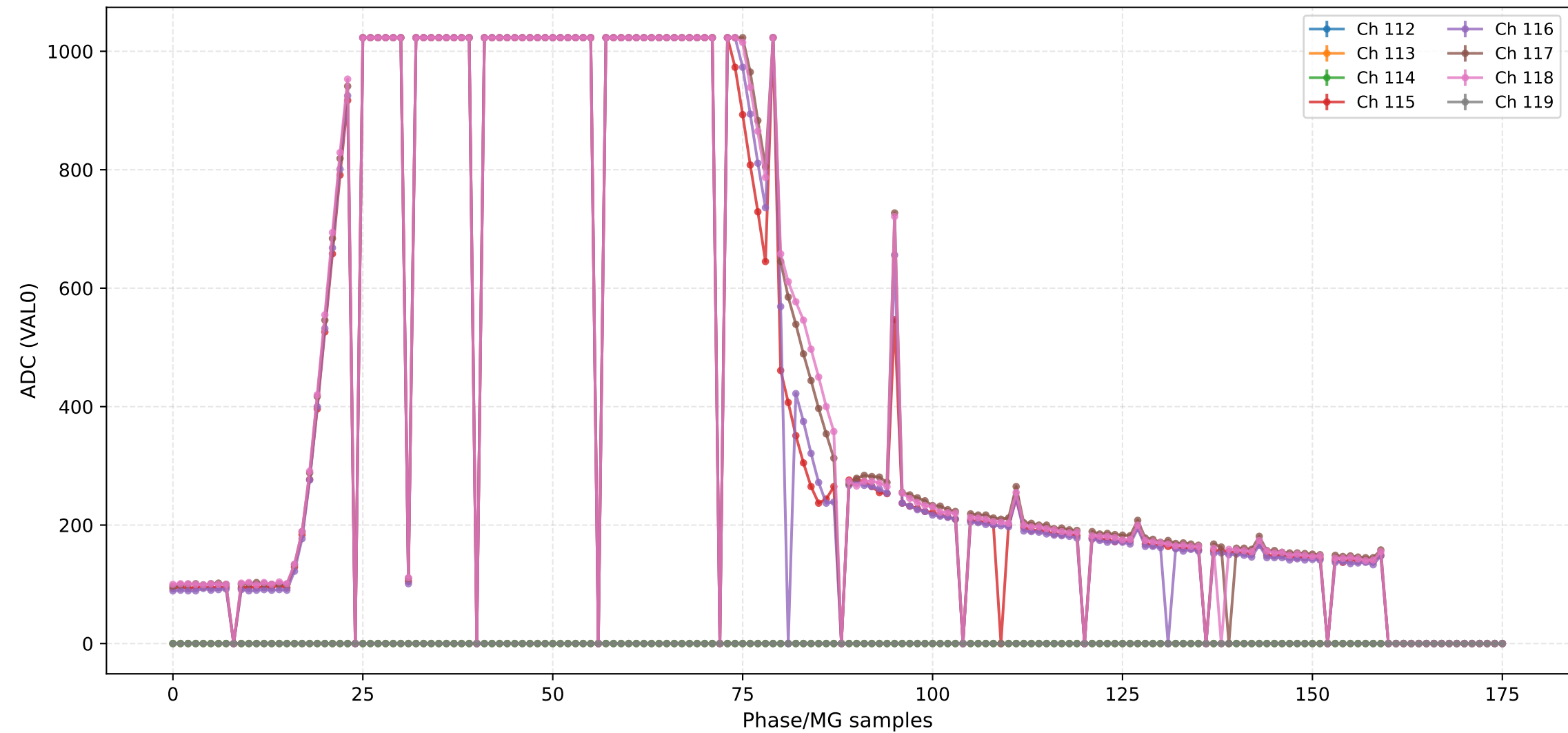
### ADC (VAL0) - Channels 96 to 103



## ADC (VAL0) - Channels 104 to 111



## ADC (VAL0) - Channels 112 to 119



## ADC (VAL0) - Channels 120 to 127





### ADC (VAL0) - Channels 128 to 135



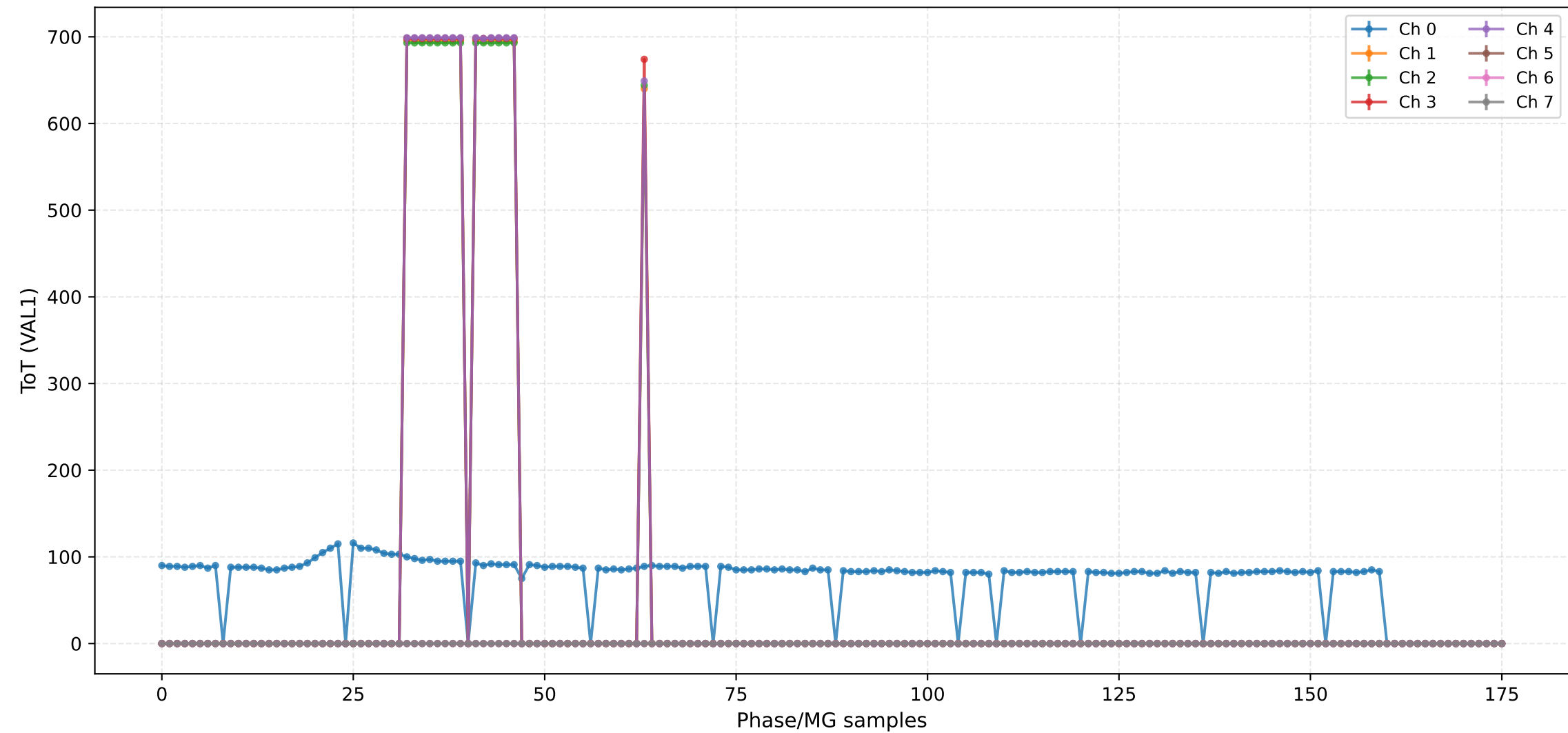
## ADC (VAL0) - Channels 136 to 143



### ADC (VAL0) - Channels 144 to 151



## ToT (VAL1) - Channels 0 to 7



ToT (VAL1) - Channels 8 to 15



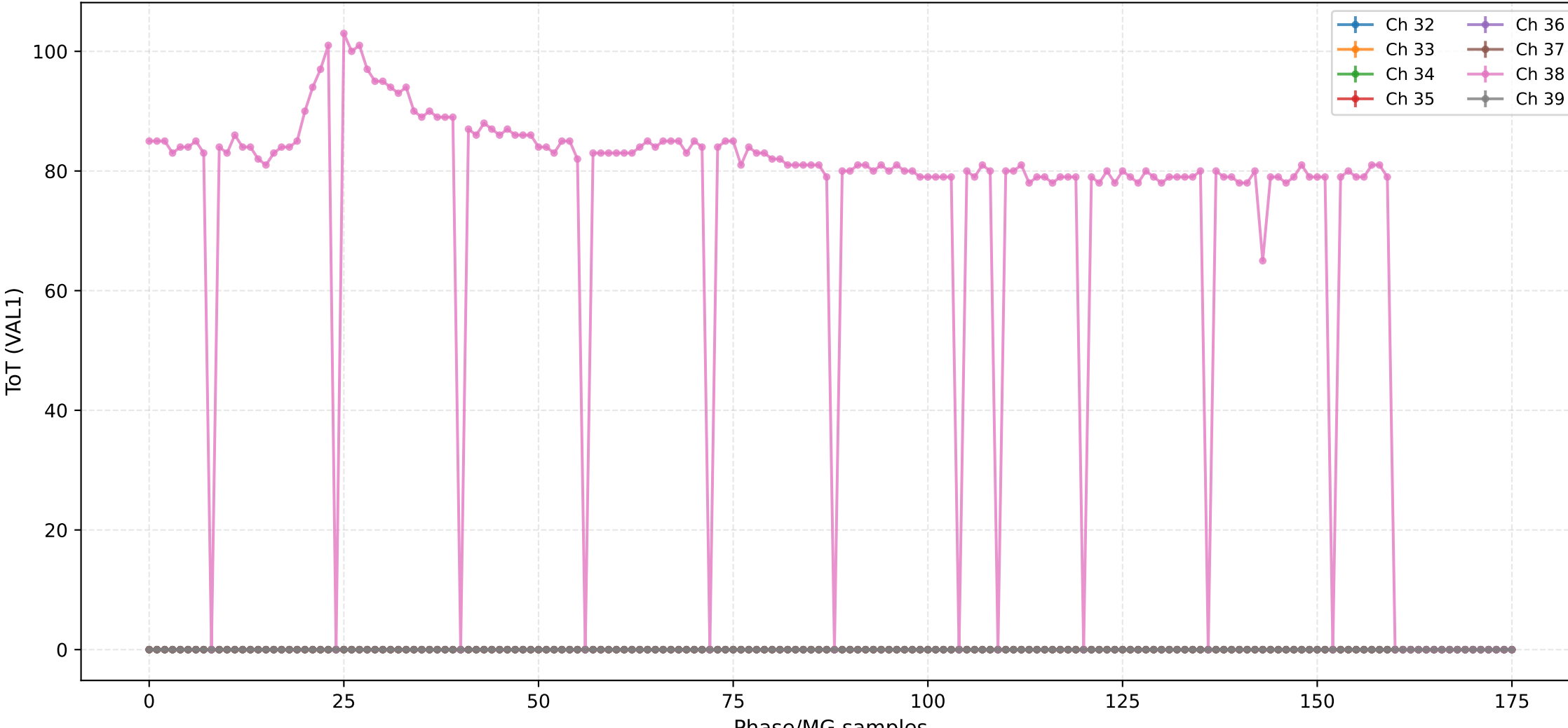
### ToT (VAL1) - Channels 16 to 23



ToT (VAL1) - Channels 24 to 31



## ToT (VAL1) - Channels 32 to 39





ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



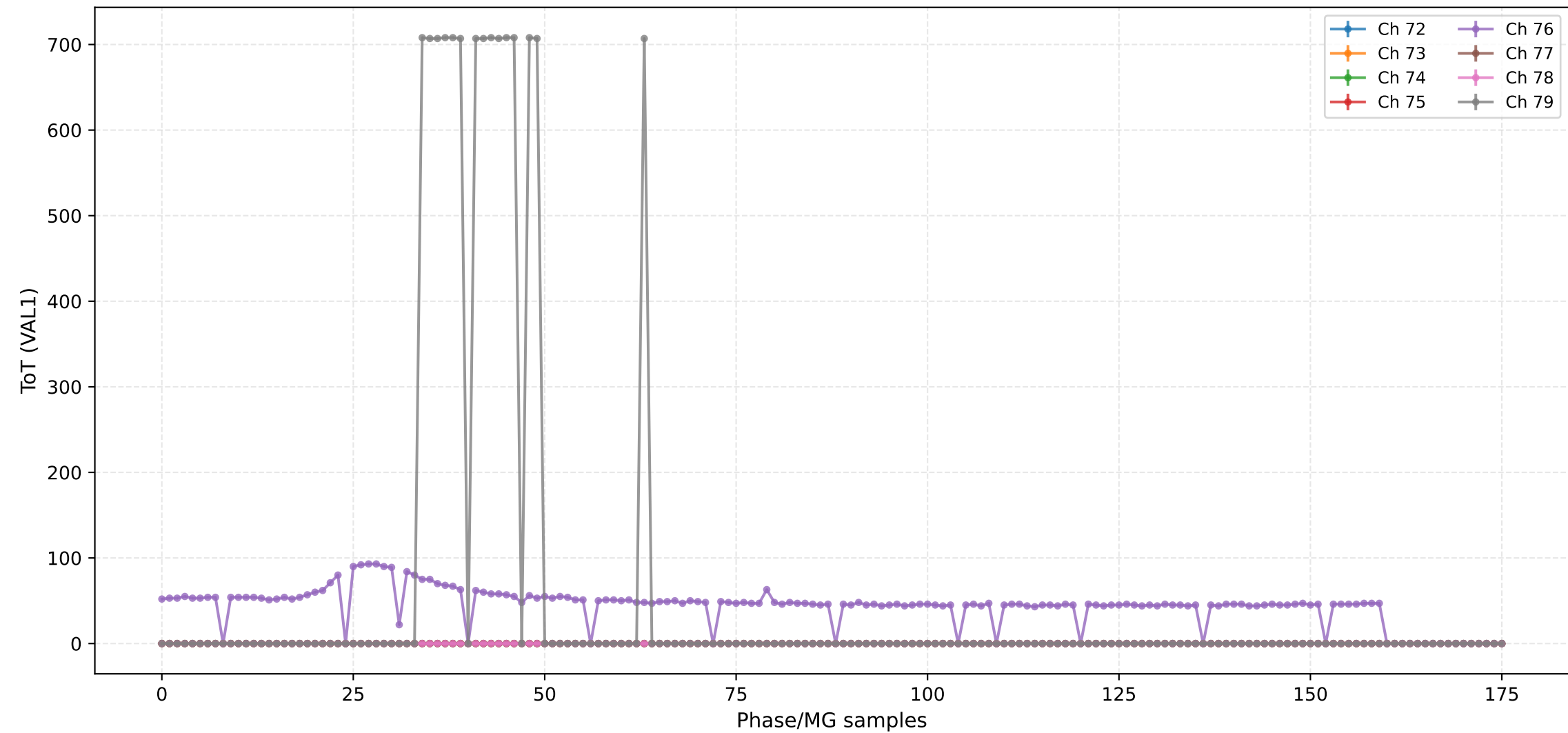
## ToT (VAL1) - Channels 56 to 63



ToT (VAL1) - Channels 64 to 71



## ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



## ToT (VAL1) - Channels 88 to 95



ToT (VAL1) - Channels 96 to 103

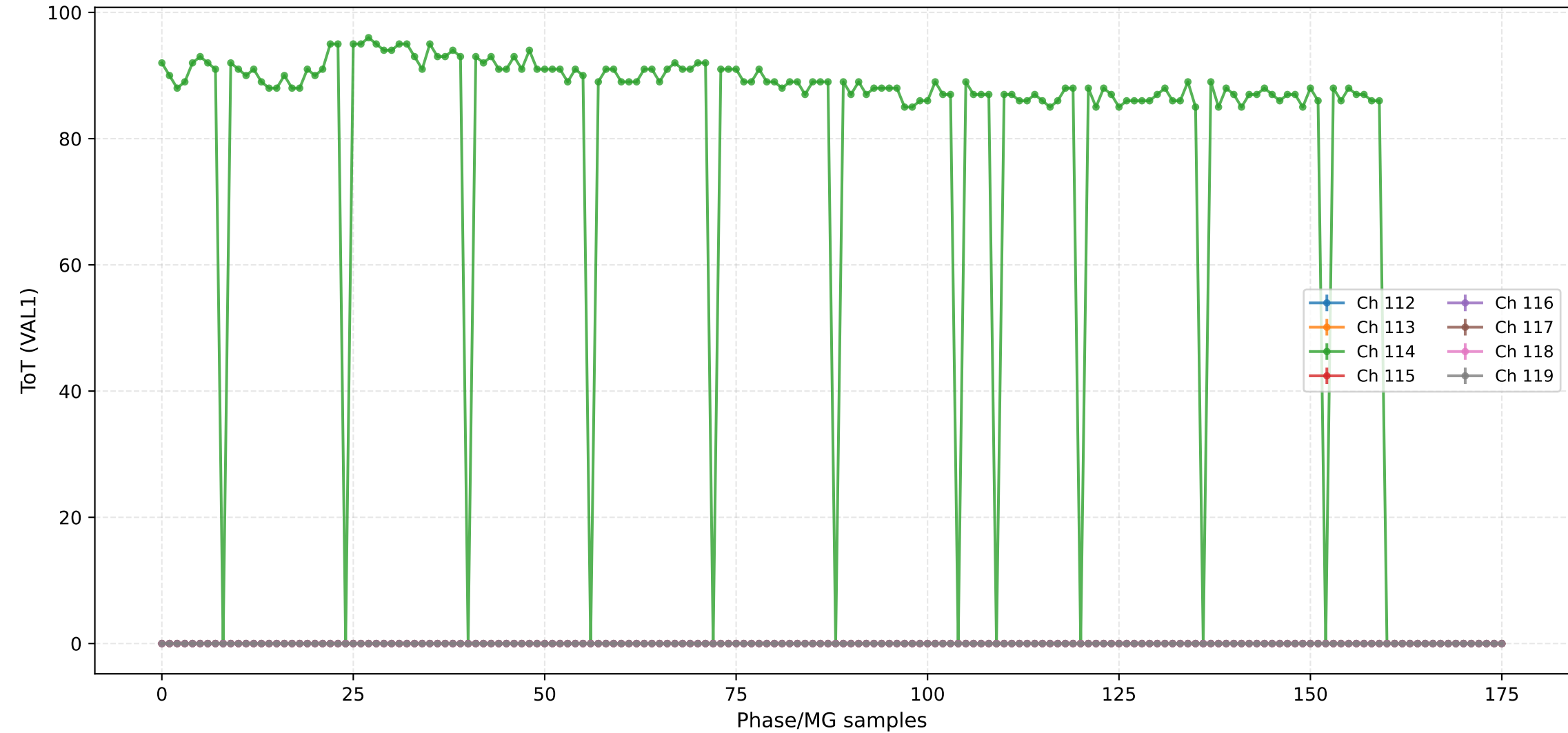




ToT (VAL1) - Channels 104 to 111



ToT (VAL1) - Channels 112 to 119



## ToT (VAL1) - Channels 120 to 127



### ToT (VAL1) - Channels 128 to 135



ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151





ToA (VAL2) - Channels 8 to 15





## ToA (VAL2) - Channels 16 to 23



### ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39



ToA (VAL2) - Channels 40 to 47



## ToA (VAL2) - Channels 48 to 55



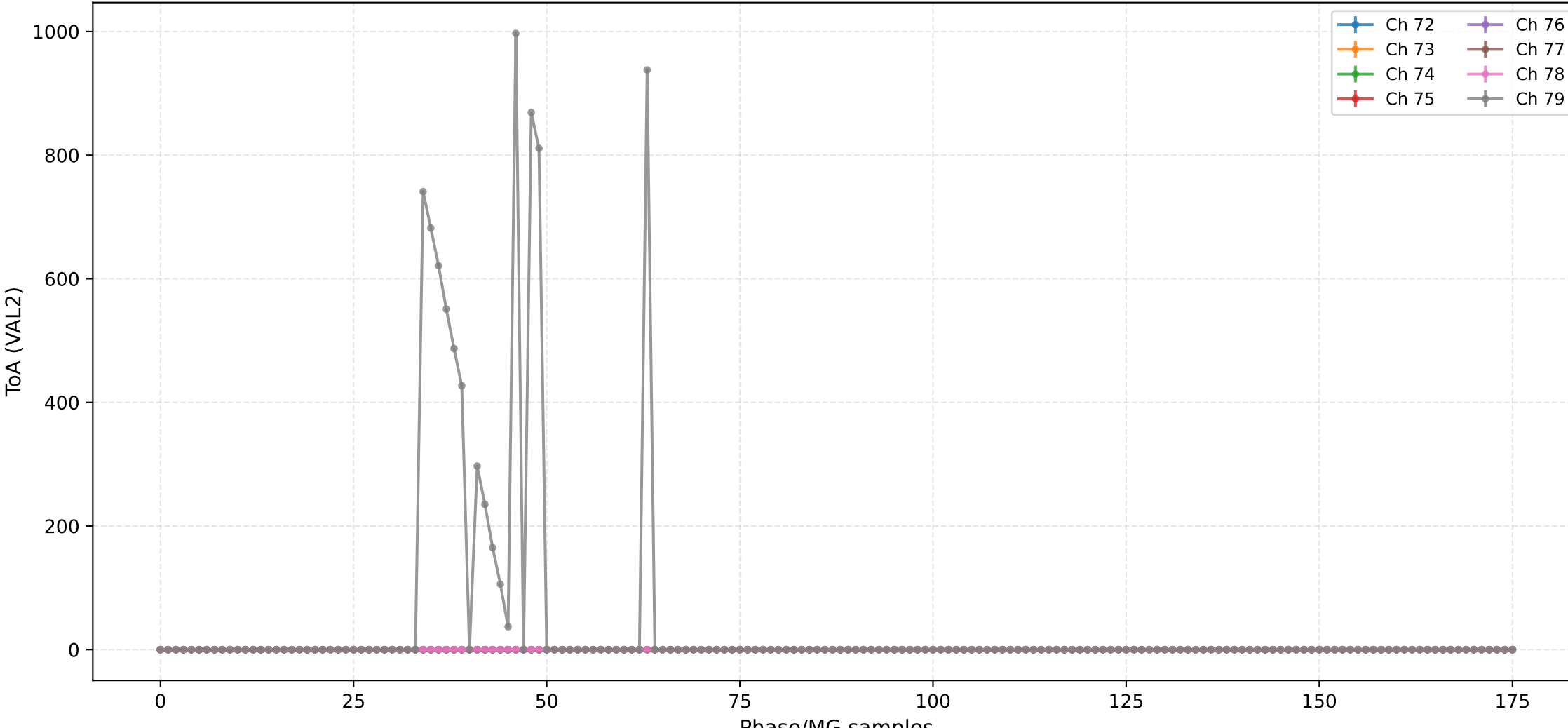
ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71



## ToA (VAL2) - Channels 72 to 79





## ToA (VAL2) - Channels 80 to 87



## ToA (VAL2) - Channels 88 to 95



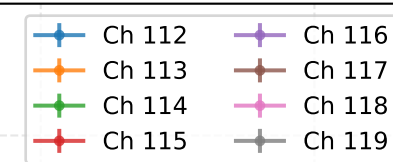
ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111



The plot displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for five channels, labeled Ch 112 through Ch 115. The x-axis represents time, ranging from 0 to 150, with major ticks every 25 units. The y-axis represents the expectation value, ranging from -1 to 1, with major ticks at -1, 0, and 1. A horizontal dashed line is drawn at  $y = 0$ . All five channels (Ch 112, Ch 113, Ch 114, Ch 115, and Ch 116) show a constant expectation value of 0 for the entire duration of the simulation, as indicated by the single horizontal line at  $y = 0$ .



ToA (VAL2) - Channels 120 to 127





## ToA (VAL2) - Channels 136 to 143







## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 16:04:26

### Configuration:

- Total ASICs: 2
- Injection DAC: 2500
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac2500\_mg10\_pack2\_chn10\_val0.csv
- 205\_Injection\_asic2\_injdac2500\_mg10\_pack2\_chn10\_val1.csv
- 205\_Injection\_asic2\_injdac2500\_mg10\_pack2\_chn10\_val2.csv